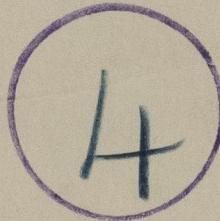


★ "Empire Tugela" Son. Rpt. No. 7522.



General Amgt

RECORDS DEPT.,
LONDON



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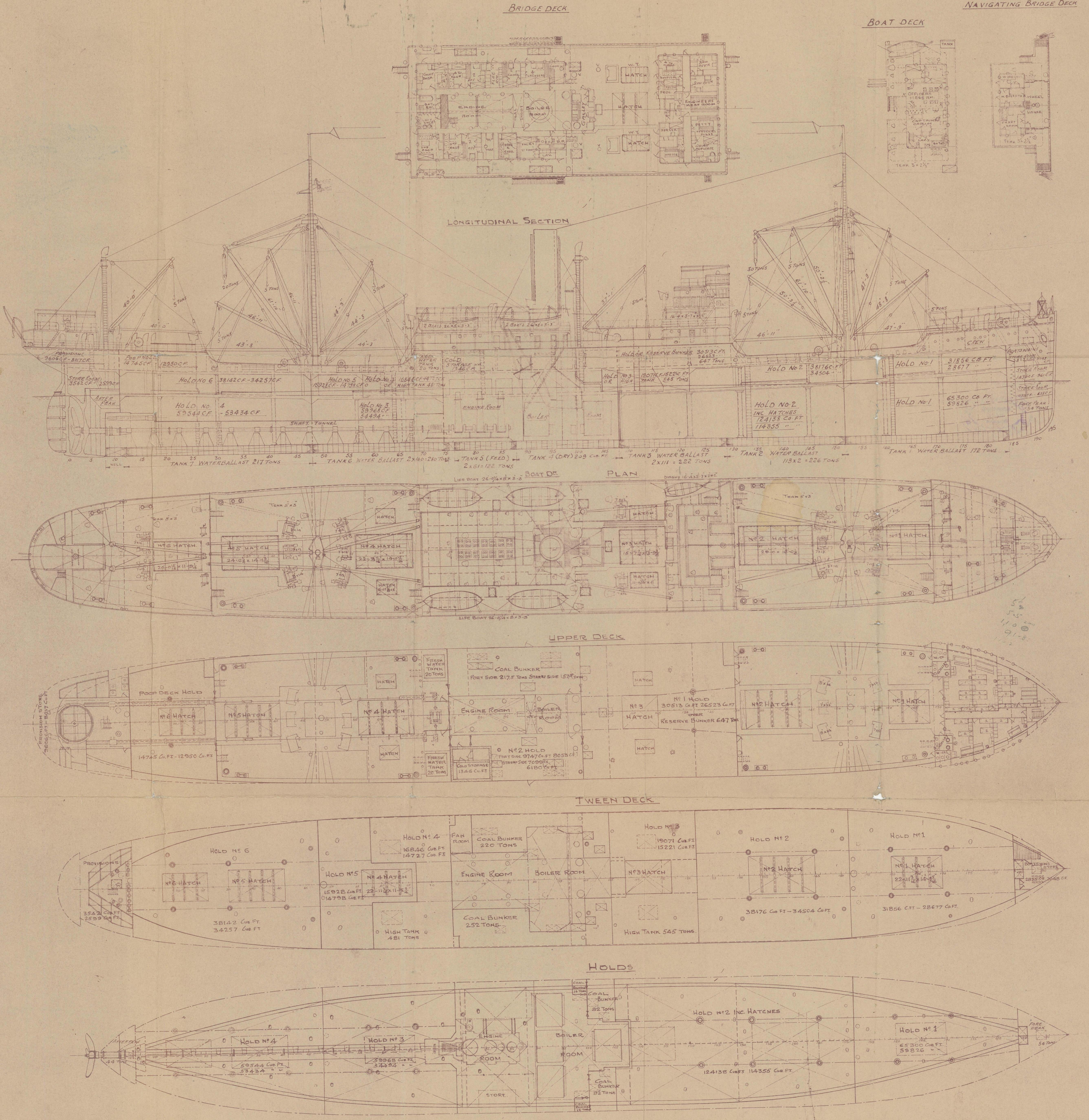
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Foundation

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Empire



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S.S. "EMPIRE RAJA"
Ex
S.S. "WILDENFELS"
and
EMPIRE TUGELA

LENGTH OVER ALL --- 187.440 m = 450 ft 8 in
LENGTH B.P. --- 130.940 m = 429 ft 7 in
BREADTH EXTREME --- 17.144 m = 56 ft 3 in
DEPTH TO UPPER DECK --- 10.010 m = 32 ft 10 1/8 in

SCALE 1:200

HOLD CAPACITIES		
	CUB GROSS	FT NET
HOLD NO 1	65300	59326
" 2	124158	114355
" 3	59968	54494
" 4	59544	53434
TOTAL UNDER DECK	308950	282109
TWEEN DECKS		
TWEEN DECK NO 1	31856	28877
" 2	38176	34504
" 3	19071	15221
" 4	16846	14727
" 5	15924	14798
" 6	38142	34247
TOTAL TWEEN DECKS UNDER DECKS	160019	142184
" BETWEEN TWEENS & UNDER DECKS	308950	282109
HOLD UNDER POOP DECK	48869	424293
TOTAL TWEEN DECKS & UNDER DECKS	14745	12950
BRIDGE DECK	485714	437243
BRIDGE SPACE NO 1	30513	26523
TOTAL UNDER TWEEPS POOP DECK & BR SPACE	54227	463766
BRIDGE SPACE NO 2	16346	14727
GRAND TOTAL OF HOLDS	531073	478599
STORE ROOM BELOW POOP DECK	9306	8017
" " " UPPER "	3542	2599
COLO STORAGE	1346	346
STORE ROOM FORECASTLE NO 3 DK	1430	961
" NO 4 DK	1095	655
BOATSMAINS STORE	2825	2448
TOTAL OF STORE ROOMS	20359	15851
GRAND TOTAL OF HOLDS	551412	494450



4

Lansdowne

" Liverpool Manuf.
Ex Empire Raja "

Ex Capacity Plan



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HOLD CAPACITIES	CUB. FT.	GRAN	BALE
NO 1 HOLD	65300	59826	
NO 2 "	124138	114355	
NO 3 "	59968	54494	
NO 4 "	59544	55434	
TOTAL UNDER DECK	308950	282109	
TWEEN DECK NO 1	31856	28677	
" NO 2	38176	34504	
" NO 3	19071	15221	
" NO 4	16846	14727	
" NO 5	15928	14798	
" NO 6	38142	34257	
TOTAL TWEEN DECKS	160019	142184	
" UNDER "	308550	282109	
" BETWEEN TH & UNDERDECK	468269	424293	
HOLD UNDER POOP DECK	14745	12950	
TOTAL TWIN DECK & POOP	483714	437243	
BRIDGE SPACE NO 1	30513	26523	
TOTAL UNDER DECK POOP & BRIDGE SPACE	514227	463766	
BRIDGE SPACE NO 2	16845	14833	
GRAND TOTAL OF HOLDS	531073	478599	
STORE ROOM BELOW POOP DECK	8606	8017	
" " " UPPER	3542	2599	
COLD STORAGE	495	245	
STORE ROOM FORECASTLE NO 3 DS	1430	1346	
" " " NO 4 DECK	1095	961	
BOATSWAIN'S STORE	2825	2048	
TOTAL OF STORE ROOMS	20339	15851	
GRAND TOTAL OF HOLDS	551412	494450	

S.S. "EMPIRE RAJA" (Ex. "WILDENFELS.")

CAPACITY PLAN.

22-10-1941



TANKS

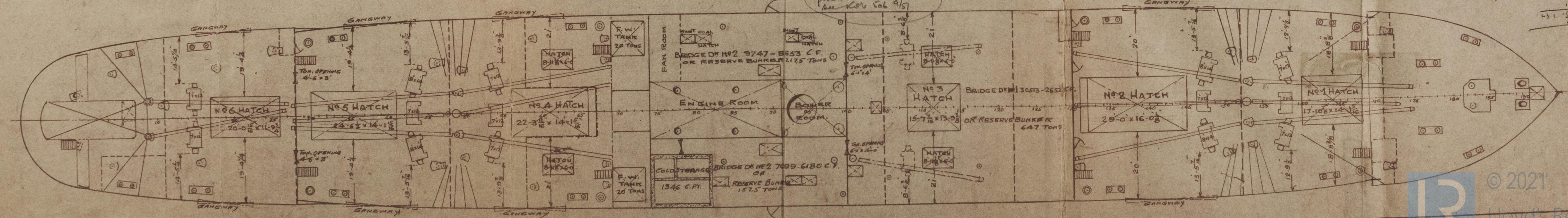
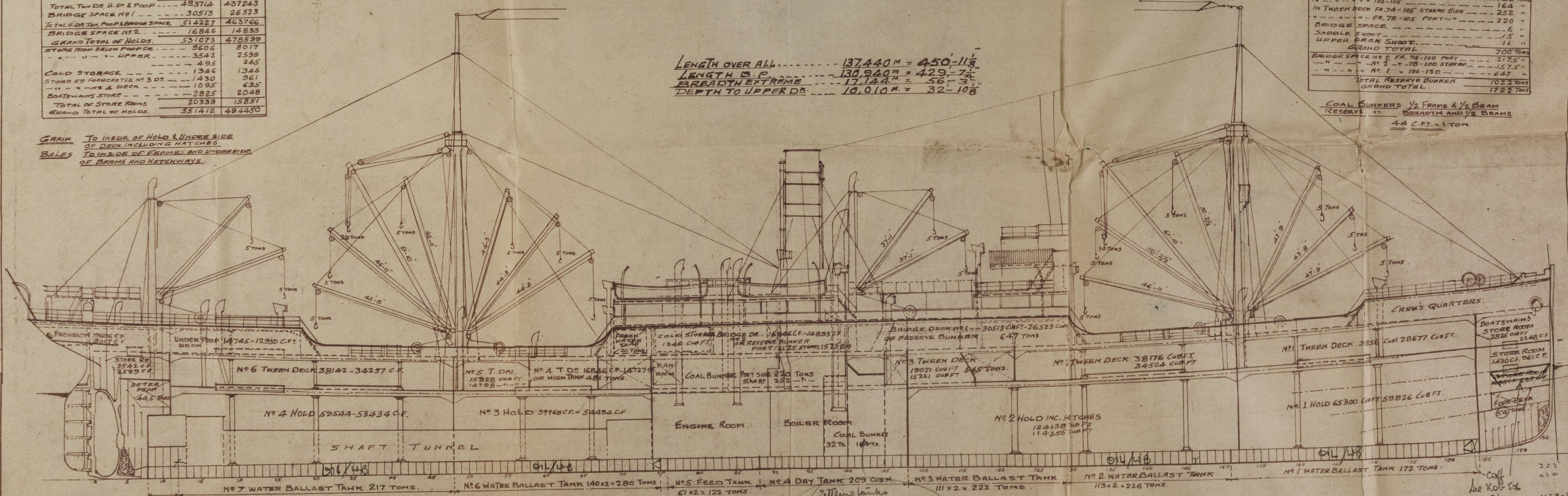
N°1 WATER BALLAST TANK	172 TONS
N°2	226 "
N°3	222 "
N°4 DRY TANK	122 "
N°5 FEED TANK	280 "
N°6 WATER BALLAST TANK	217 "
N°7 TOTAL DOUBLE BOTTOM	7235 TONS
AFT PEAK W.B. TANK	44.5 "
FORE PEAK	54 "
HIGH TANK F.R. 58-74	481 "
" 60-122	545 "
TOTAL W.B. TANKS	23635 TONS
FRESH WATER TANK UPPERSPACE	40 "

COAL BUNKER

IN HOLD	105' 97-100	32 TONS
IN TWEEN DECK FR. 74-105 STARBOARD SIDE	100-105	164 "
" FR. 78-105 PORT	105-115	252 "
BRIDGE SPACE	78-105	220 "
SADDLE SHOOT	105	5 "
UPPER PEAK SHOOT	105	15 "
GRAND TOTAL	105	11 "
BRIDGE SPACE NO 2 FR. 74-100 PORT	100-105	700 TONS
" " " NO 2 " 78-100 STARBOARD	78-105	217.5 "
" " " NO 1 " 100-105	100-105	157.5 "
TOTAL RESERVE BUNKER	100-105	102.5 TONS
GRAND TOTAL	100-105	172.5 TONS

COAL BUNKERS $\frac{1}{2}$ FRAME & $\frac{1}{2}$ BEAM
RESERVE $\frac{1}{2}$ BREADTH AND $\frac{1}{2}$ BEAMS

44 C.F.T. = 1 TON



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Lansdowne.

"Empire Raja" *

Midship section.

Liverpool
* Mary



Lloyd's Register
of Ships

011062-011070-0051

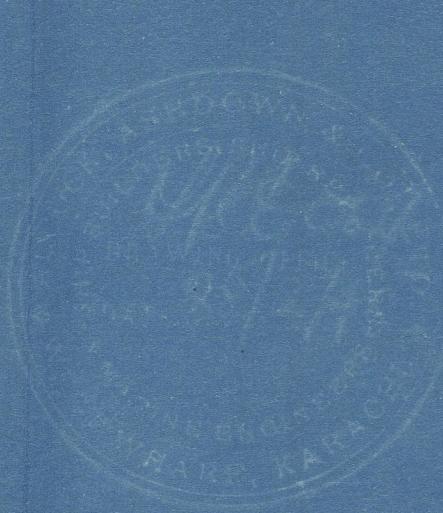


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S.S."EMPIRE RAJA" EX. S.S."WILDENFELS"
MIDSHIP SECTION.
JOB No. SR/43.

SCALE: 1=50

LENGTH B.P. --- 429.8'
MOULDED BREADTH --- 56-3'
MOULDED DEPTH --- 32-10/8"



SHIP DRAWING OFFICE
WEST WHARF, KARACHI

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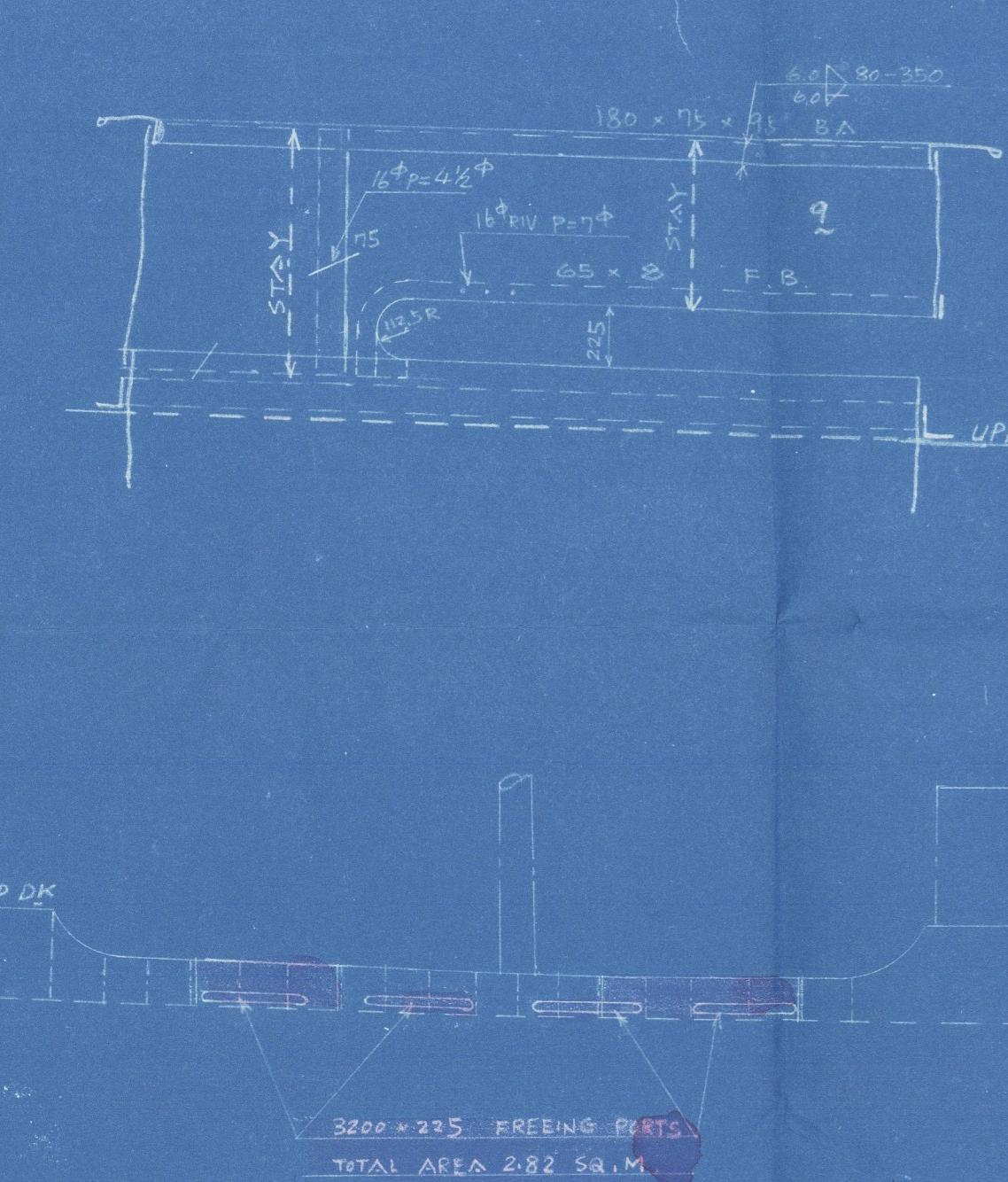
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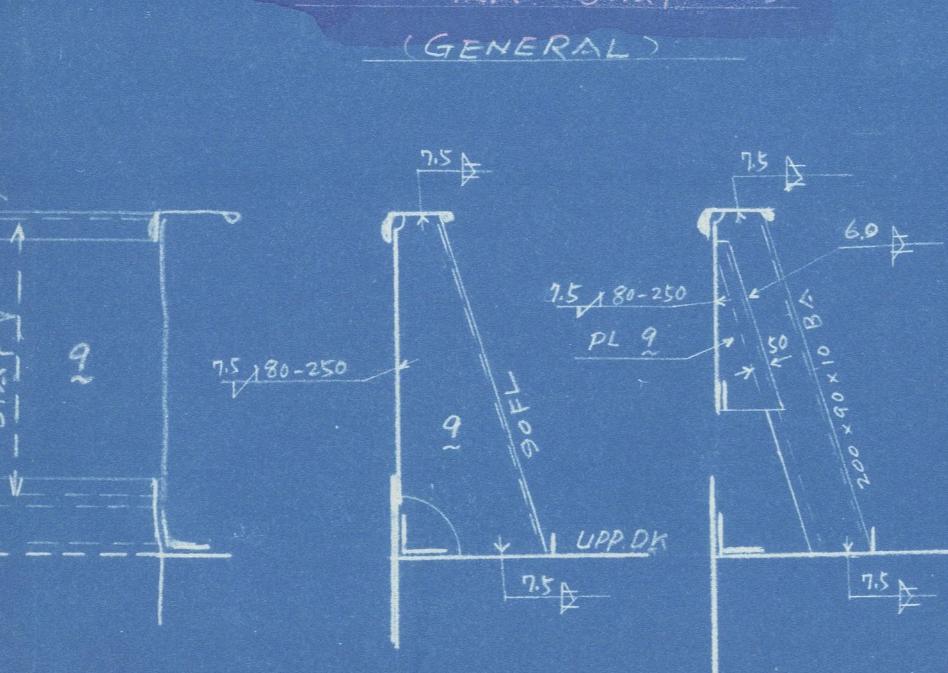
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JUN 27 1952

TYPICAL DETAIL OF BULKWARK
SCALE 1/25



BULKWARK STAY (1/25)
(GENERAL)



NOTES:

PORT & STBD SIDE ARE SIMILAR

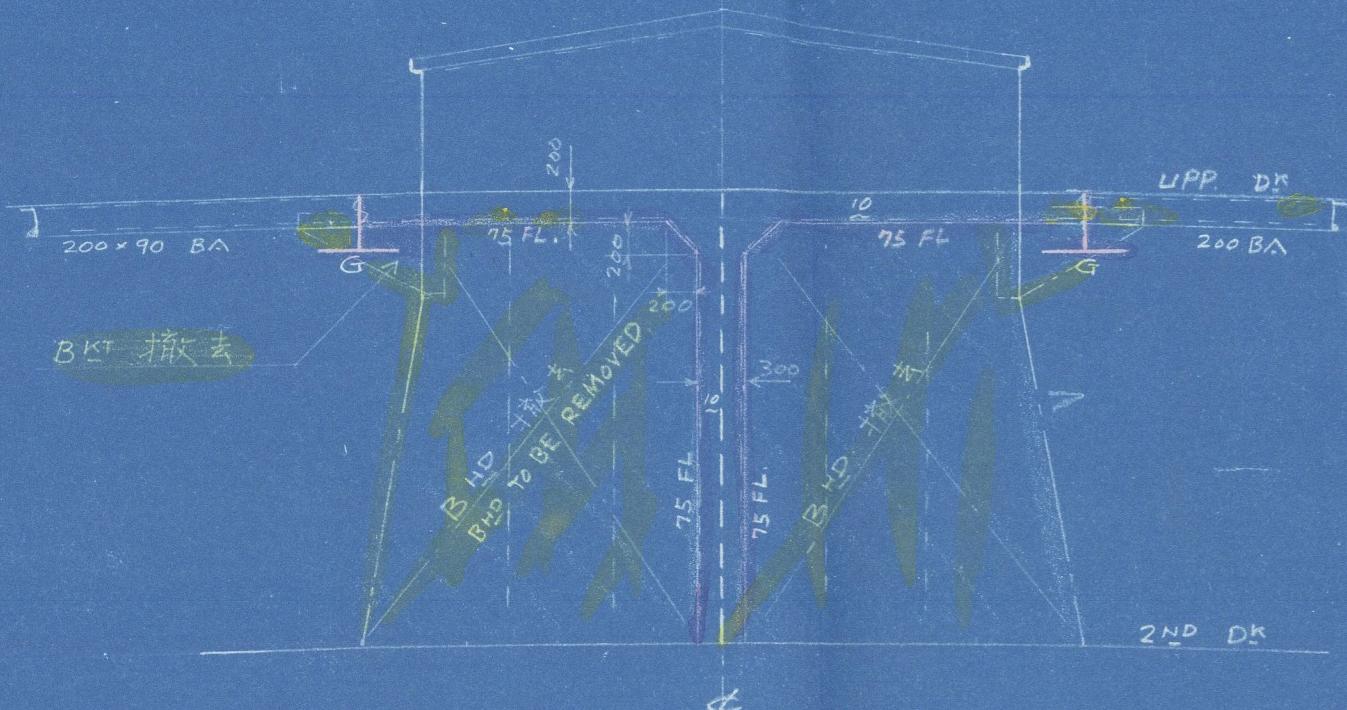
RED PARTS SHOW REMOVED PARTS

YELLOW PARTS SHOW NEWLY BUILT PARTS



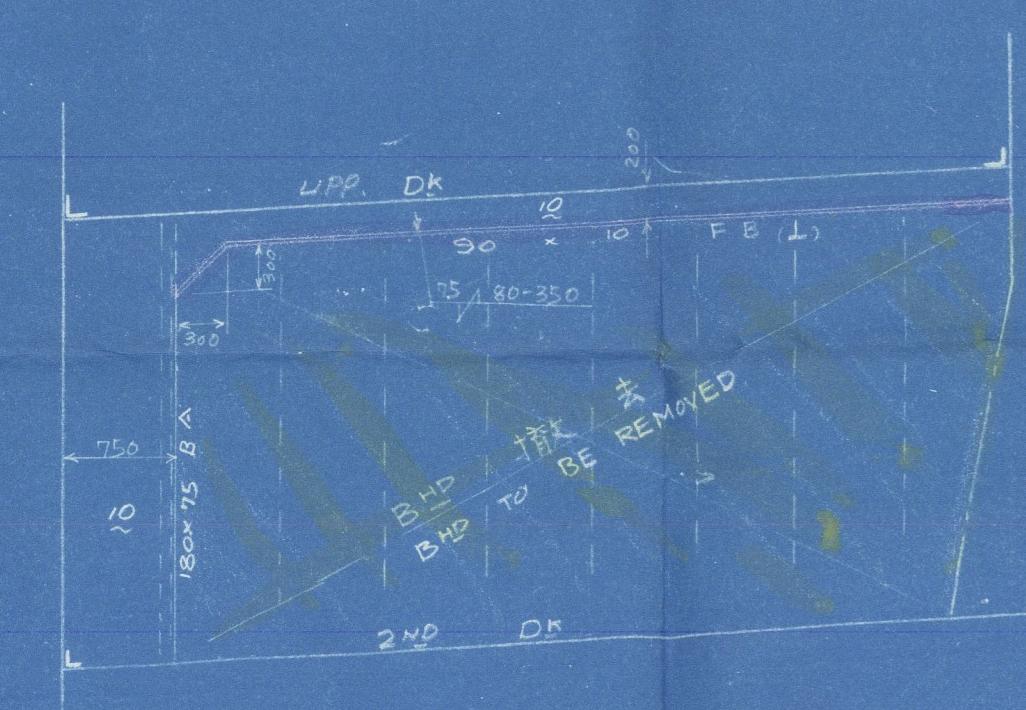
SEC. AT F. 67

LOOKING FORWD



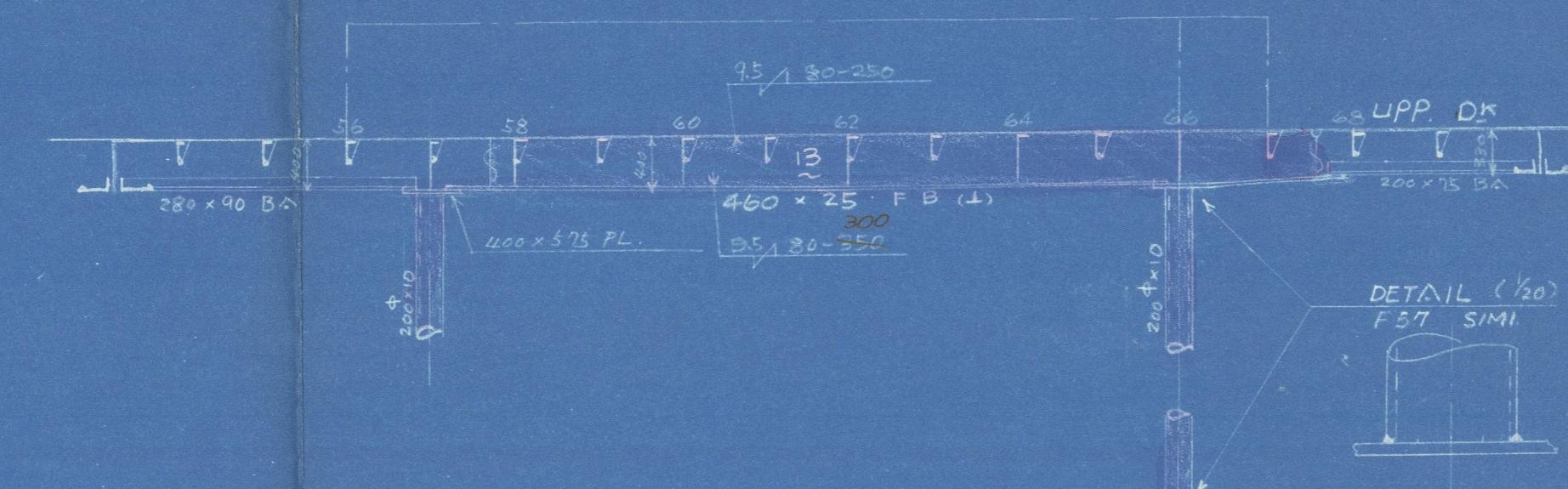
SEC AT F. 58

LOOKING FORWD



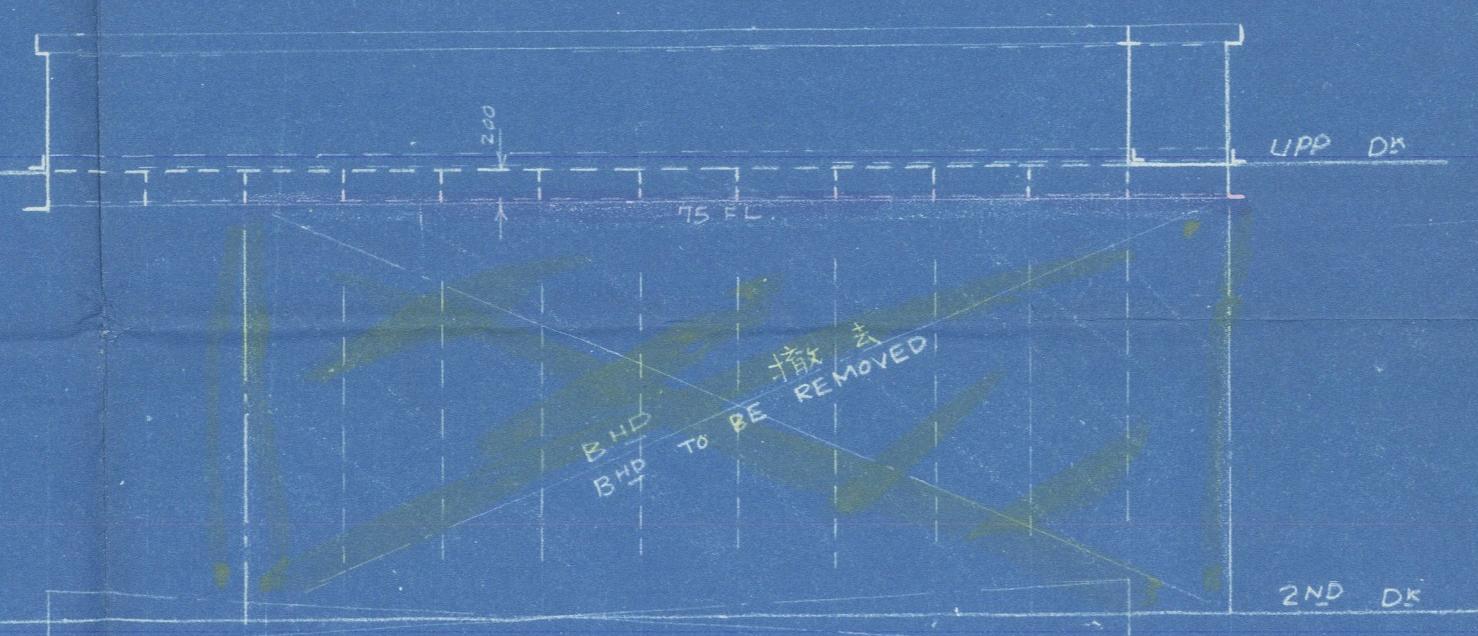
F. 57~66 W.S.P. GIRDER

LOOKING TO P. SIDE



NO. 4 C. HATCH SIDE COAMING

LOOKING TO P. SIDE

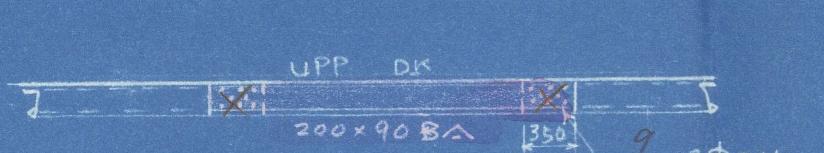


UPPER DECK PLAN

SCALE 1/50

F. 61~63 UPP. DK BEAMS

1/50



BHD TO BE REMOVED

SHD 拆去 200x10 BEAM

200x10 PILLAR PLATE

200x10 PILLAR PLATE